



Rigel Series Pressure Transmitter Catalogue



RIGEL SERIES PRESSURE TRANSMITTER

APPLICATIONS:

- Hydraulic systems
- Pneumatic systems
- Steel industries
- Water treatment

- Pump operations and compressor controls
- Level measurement and control applications
- Glass and metal industries



SPECIFICATIONS:

• Performance characteristics

Range: (-)1...0 ~ 0.1...600 bar

Over pressure limit : 1.5 times FSR or 1100 bar (min. value is valid)

Pressure types: Gauge pressure, Absolute pressure, Differential pressure, Compound pressure

Accuracy: ±0.5% FS

Long term stability: ± 0.3% FS/year

• Environmental Characteristics

Operation temp range: -40°C to +80°C

Storage temp. range: -10°C to 60°C

Weatherproof/protection rating: IP65

• Physical characteristics:

Housing case: 316 Stainless steel

Ceramic sensor: Al oxide

Wetted material: SS316

Seal material: Viton (other options are available)

Pressure fittings: ¼" BSPM, ¼" NPTM, ½" BSPM, ½" NPTM, 1/8" BSPM, 1/8" NPTM, M12 x 1.5; other options are available

• Electrical data:

Electrical connection: DIN connector 4 pin; cable type;

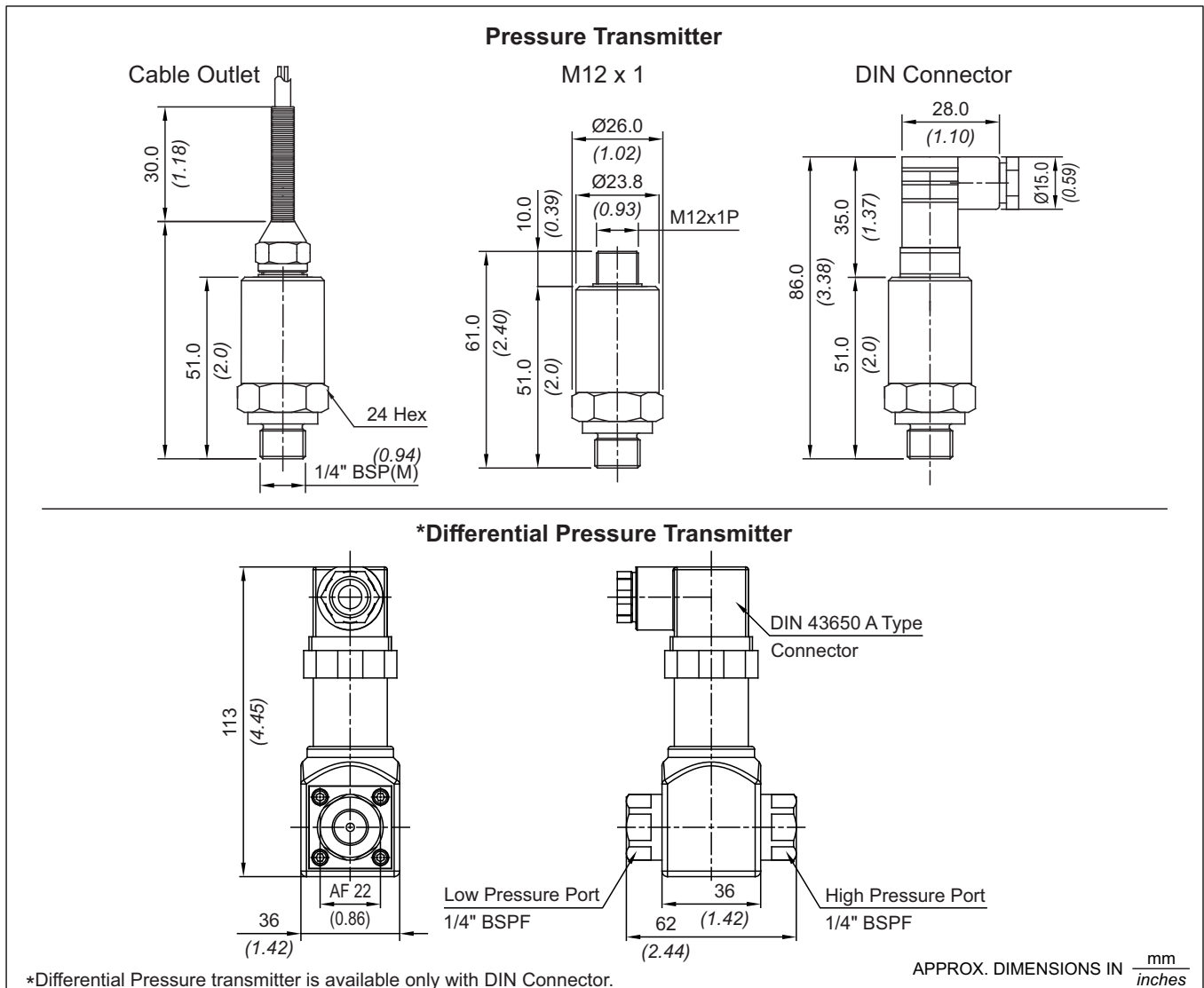
M12x1; 4-pin plug connector

Reverse connection protection: Yes (voltage output type supply+ & output+ cannot be reversed)

Output signals:

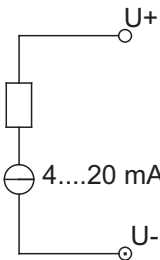
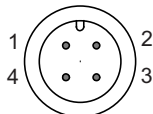
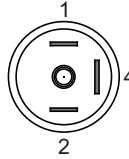
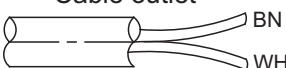
O/p signal	Power supply	O/p format	Load resistance
4mA - 20mA	12V – 28V DC	2 wire	≤(U-12) / 0.02Ω
0V – 10V DC	12V – 28V DC	3 wire	≥ 10K

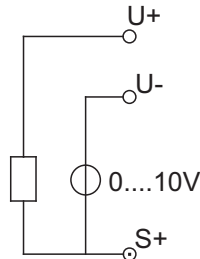
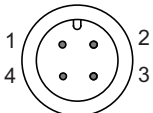
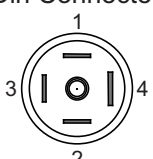
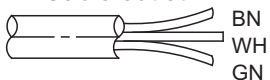
INSTALLATION DRAWINGS



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ELECTRICAL CONNECTION

Output Signal	Equivalent Circuit	Electrical Connection	Function	Pin Assignment
4....20 mA (2 Wire)		M12 x 1, 4Pin Male Connector 	U+	1
			U-	3
			NA	2
			NA	4
		Din Connector 	U+	1
			U-	2
			NA	4
		Cable outlet 	U+	Brown (BN)
			U-	Green (WH)

0....10 V (3 Wire)		M12 x 1, 4Pin Male Connector 	U+	1
			U-	3
			S+	4
			NA	2
		Din Connector 	U+	1
			U-	2
			S+	3
			NA	4
		Cable outlet 	U _B	Brown (BN)
			0V	Green (GN)
			S+	White (WH)

Legend :

U+ - Positive Power Supply Terminal

U- - Negative Power Supply Terminal

S+ - Positive Output Terminal (Analog)

